

2021 PRIMARY MILL SURVEY

SECTION 1 – MILL INFORMATION Mill Name		Year Established				
Mill <u>Mailing</u> Address		Mill Physical Address				
Mill Mailing City, State, ZIP Code		Mill Physical City, State, Zip Code				
Phone Number (include area code)		Fax Number (include area code)				
Company Website		Sales E-mail Address				
Survey Contact Name		Survey Contact Title				
Survey Contact Phone		Survey Contact E-mail				
County Mill is Located In:		Is this a portable mill?				
Number of Full-Time Employees		Number of Part-Time Employees				
Check this box to omit the above Forest Products Industry Direct	re information from the Michigan ory.	Check this box if you wish to be from this study.	notified about the report resulting			
Mill Type (check all that apply): Sawmill Veneer Mill Industrial Fuel Wood/Biomass/E	Composite Board Post Mill Pole Mill nergy Plant Miscellaneous/Ot	Mill Paper/Corrugated Mill Commercial Firewood Processor Pellet Mill				
Mill Status (check):	☐ Idle ☐ Closed/Out of Bu	siness Dismantled				
During the colonder year 2021 was	s raw material received and proces	sed at this mill? ☐ Yes ☐ No				
During the calendar year 2021, was	3 raw material received and proces	300 dt till3 illill:				
SECTION 2 – EQUIPMENT USED (C	-	1 Tes 110				
SECTION 2 - EQUIPMENT USED (C	CHECK ALL IN USE) RESAW	OTHER	<u>Other</u>			
SECTION 2 - EQUIPMENT USED (C	CHECK ALL IN USE)		OTHER Post/Pole Peeler			
SECTION 2 - EQUIPMENT USED (C HEADSAW Portable Mill Band Saw - Single	CHECK ALL IN USE) RESAW	OTHER ☐ Slab Chipper ☐ Chipper	Post/Pole Peeler Shaving Machine			
SECTION 2 – EQUIPMENT USED (O HEADSAW Portable Mill	CHECK ALL IN USE) RESAW Band Saw	OTHER Slab Chipper	Post/Pole Peeler			
SECTION 2 - EQUIPMENT USED (C HEADSAW Portable Mill Band Saw - Single	RESAW Band Saw Band Saw – Horizontal	OTHER ☐ Slab Chipper ☐ Chipper	Post/Pole Peeler Shaving Machine			
SECTION 2 - EQUIPMENT USED (C HEADSAW Portable Mill Band Saw - Single Band Saw - Twin	RESAW Band Saw Band Saw - Horizontal Band Saw - Vertical	OTHER Slab Chipper Chipper Planer	Post/Pole Peeler Shaving Machine Hammer Mill			
SECTION 2 - EQUIPMENT USED (C HEADSAW Portable Mill Band Saw - Single Band Saw - Twin Band Saw - Quad	Band Saw – Horizontal Band Saw – Gang Band Saw – Gang	OTHER ☐ Slab Chipper ☐ Chipper ☐ Planer ☐ Edger	Post/Pole Peeler Shaving Machine Hammer Mill Firewood Processor			
SECTION 2 - EQUIPMENT USED (C HEADSAW Portable Mill Band Saw - Single Band Saw - Twin Band Saw - Quad Circular Saw - Carriage	RESAW Band Saw Band Saw - Horizontal Band Saw - Vertical Band Saw - Gang Circular Saw	OTHER Slab Chipper Chipper Planer Edger Debarker	Post/Pole Peeler Shaving Machine Hammer Mill Firewood Processor Wood-Fired Boiler			
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SECTION 2 - EQUIPMENT USED (C HEADSAW Portable Mill Band Saw - Single Band Saw - Twin Band Saw - Quad Circular Saw - Carriage Scragg Chip-N-Saw Circular Saw - Other (specify): SECTION 3 - TYPE & AMOUNT OF Please fill out Sections 3 & 5 for ea	RESAW Band Saw - Horizontal Band Saw - Vertical Band Saw - Gang Circular Saw Circular Saw - Horizontal Circular Saw - Horizontal Circular Saw - Horizontal Circular Saw - Vertical Circular Saw - Vertical Circular Saw - Gang RAW MATERIAL PROCESSED Chet type of raw material processed.	OTHER ☐ Slab Chipper ☐ Chipper ☐ Planer ☐ Edger ☐ Debarker ☐ Veneer Equipment ☐ Dry Kiln	Post/Pole Peeler Shaving Machine Hammer Mill Firewood Processor Wood-Fired Boiler Optimizer Equipment Machine Stress-Rating Other (specify):			
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Section 3.2 - Total Amount of Raw Material Processed						
CONFIDENTIAL – THE DNR WILL KEEP INFORMATION IN THIS SECTION CONFIDENTIAL ¹ .						
Total amount of raw material processed for the material type checked in Section 3.1. Include wood imported from other countries. DO NOT INCLUDE amount or volumes of whole logs or short sections that were chipped for use as hog fuel. Include that volume in Section 6.1. Also enter Average Annual Capacity for your mill – the average yearly volume you would be able to process under ideal conditions.						
Total 2021 Amount:	•			Avera	ge Annual Capacity:	
Enter Unit of Measure	(from below):		Enter l	Unit of Measure (from below):
If Unit of Measure is 1	T ons , please	e enter a we	eight conversion factor:	Sawlo	g, bolt and pulpwood spec	cifications:
Softwood (tons per cor					ge log length (in feet):	
Hardwood (tons per co	ord):			-	ge log small end diameter (ir	n inches):
		ı	Units of	Measur	<u>e</u>	1
MBF Doyle BF Doyle			rnational ¼ inch ational ¼ inch	-	dard Cord e States Cord (100 inches)	13. Green Tons 14. Dry Tons
MBF Scribner Decimal	С	7. MBF Lun		11. Pie	,	15. Thousand Cubic Feet
4. BF Scribner Decimal C		8. BF Lumb			ousand Pieces	16. Other:
					ORIGIN OF RAW MATERIALS R	ECEIVED & PROCESSED
CONFIDENTIAL - T	HE DNR WI	LL KEEP INF	ORMATION IN THIS SECT			
				-	ecies volume or % by state · Alger) Use additional sheet	_
Species Group		olume or Species	State/County name:	g., wii	State/County name:	State/County name:
Red Pine						
Jack Pine						
White Pine						
Balsam Fir						
Spruce						
Northern White Cedar						
Other Pine						
Tamarack						
Hemlock						
Aspen/Balsam Poplar						
Hard Maple						
Soft Maple						
Red Oaks						
White Oaks						
Black Cherry						
Ash						
Beech						
Elm						
Hickory						
Black Walnut						
Cottonwood						
Yellow Poplar						
Other:						
Other:						
TOTAL VOLUME:						
IF VOLUMES OR PER	RCENT BY C	COUNTY AF	RE NOT KNOWN: What	t is your	average procurement radius	s <u>in miles</u> ?:

SECTION 4 - FINISHED PRODUCTS PRO	DUCED IN 2021 & EXPO	RT LOGS					
SECTION 4.1 - TYPE OF FINISHED PRODUCTS	PRODUCED IN 2021 AS A	PERCENT OF 202	1 ROUNDW	OOD VOLUME PROCESSI	ED:		
SAW LOG GROUP	VENEER LOG GROUP			OTHER PRODUCTS			
% Grade Lumber	% Sheathing			% Mulch, Compost, Soil Additives			
% Rough Lumber	% Matches			% Shavings/Excelsior			
% Dimension or Stud Lumber	% Veneer/Face Veneer			% Split Rail Fenc	-		
% Molding or Select Lumber	% Plywood			% Shingles/Shak			
% Siding and Trim	% Sticks			% Foreign Expo	_		
% Treated Lumber	% Other Veneer (specify):			% Chemical Extractives			
% Pallet stock	POST, POLE, AND PILING GROUP			% Novelty % Charcoal			
% Timbers or Landscape Timbers	% Posts-Fencing			% Cnarcoal % Paper & Paperboard Products			
% Railroad Ties	% Posts – Other			% Faper & Faper % Composite Box			
% Crane Mats	 % Poles-Utility			% Other (specify)	•	ibi , 00b)	
% Cants	% Poles – Other			BIOENERGY/FUELWOOD			
% Blocking or Dunnage	 % Pilings			% Cogeneration		am, & heat)	
% Furniture Stock	% Round Railing	S		% Electricity only	•	,	
% Flooring	% Log Furniture	_		% Heat/Steam or	nly		
% Lath or Stakes	% Other (specify) :		% Pellets – Residential			
% Handles/Blanks	House Log Group	,-		% Pellets – Barbe	•		
% Dowels/Turning Blanks	% Cabin/House I	ogs		% Pellets/Briquettes – Industrial			
% Containers/Boxes	% Hand-Peeled	-		% Pellets – Other	r - (specify):		
% Other Sawn Product (specify):	% Finished Log H	•		0/ OII - F	D 1 1 /		
	% Trusses & Oth		Products	% Other Energy Products (specify):			
SECTION 4.2 – VOLUME OF FINISHED PRODUCTYPE, AND FOR SAWN PRODUCTS, ENTER THE CONFIDENTIAL – THE DNR WILL KEE	PERCENTAGE PLANED OR I	DRESSED. PLEAS	E USE FINIS	SHED GOOD UNITS OF MEA			
Finished Product Produced			Percent			Percent	
Tillislied Floudct Floudced	Amount	Unit of Measure	Dressed planed	/ Amount	Unit of Measure	Dressed/ planed	
Sawlog products							
Veneer log products							
House Log products							
Post, Pole products							
Other – specify:							
In 2021, did your mill export finished prod			RVICES No				
Would you like to learn about exporting as				Yes No)		
Would you like to learn more about the Pr	ure Michigan Business C	onnect and other	er busines	s development service	s? Yes	☐ No	
SECTION 4.4 – PERCENT OF FINISHED PRODUCE CONFIDENTIAL – THE DNR WILL KEE		SECTION CONFIL	DENTIAL ¹ .				
What PERCENT of finished product(s) die	d you export?	%					
SECTION 5 - MILL RESIDUE GENERATION	N & DISPOSITION						
NOTE: Complete a separate Section 5 fo	r each type of raw mater	ial checked in S	ection 3.1	, except for logs export	ted out of the c	ountry.	
SECTION 5.1 - Type of Day Marena: Boo	OFFICE (FROM STOTION 3	1) Pow Motor	rial Type:				
Section 5.1 – Type of Raw Material Processed (From Section 3.1) Raw Material Type:							

Section 5.2 - Volume or Amount of Mill Residue Produced by this Mill in 2021

CONFIDENTIAL – THE DNR WILL KEEP INFORMATION IN THIS SECTION CONFIDENTIAL ¹ .								
Type of Residue	Softwood	Hardwood	Unit of Measure (e.g.: green tons, dry tons, cords, yards, or number of semi-loads)					
Bark								
Course (chips, slabs, edgings, trims, cores, etc.)								
Fine – Shavings (planer or lathe)								
Fine - Sawdust								
Whole Logs or Short Sections - chipped or not processed as the mill's primary product								

SECTION 5.3 - DISPOSAL OF MILL RESIDUES

Disposal of Mill Residues:	Bark - Softwood %	Bark - Hardwood %	Coarse - Softwood %	Coarse - Hardwood %	Fine – Shavings Softwood %	Fine – Shavings Hardwood %	Fine – Sawdust Softwood %	Fine – Sawdust Hardwood %	Whole Logs / Short Sections Softwood %	Whole Logs / Short Sections Hardwood %
Manufacture of fiber/composite products										
Small dimension and other sawn products										
Charcoal or chemical wood										
Industrial fuel - on-site										
Industrial fuel at other plants										
Bio-energy pellets										
Other bio-energy products (biodiesel, etc.)										
Residential fuelwood										
Mulch/soil additive (includes biochar)										
Animal bedding										
Other misc. uses (specify):										
NOT USED (land fill, etc.)										
TOTAL	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

Section 6 - Boiler/Hog F						
Section 6.1 – Amount of Bo	ILER/HOG FUEL RECEIVED FROM WHOLE-TREE CHIPS, TIM	BER HARVEST RESIDUES, AND/OR	TOPS AND LIMBS			
CONFIDENTIAL - THE DN	IR WILL KEEP INFORMATION IN THIS SECTION CONFIDE	ENTIAL ¹ .				
DO NOT include yard wast	le-tree chips, timber harvest residues, and/or tops and e, demolition or recycled wood, or mill/manufactur produced at this mill that were captured in Section	er residues.	ıel in 2021.			
Check Only One Unit of	<u>.</u>					
Measure	Origin of Boiler/Hog Fuel	Boiler/Hog Fuel				
☐ Thousand cubic Feet	State or Foreign Country	Softwood	Hardwood			
☐ Dry tons						
Green Tons						
Other (specify):						
SECTION 7 - CAPITAL INVES	STMENTS IN 2020 & 2021					
SECTION 7.1 – AMOUNT OF CA	PITAL INVESTED IN EQUIPMENT, SOFTWARE AND FACILITIES	in 2020 & 2021.				
CONFIDENTIAL - THE DI	IR WILL KEEP INFORMATION IN THIS SECTION CONFIDE	ENTIAL ¹ .				
Please indicate approximate	ly how much capital your company invested at your fac	cility in 2020: \$				
Please indicate approximate	ly how much capital your company invested at your fac	cility in 2021: \$				
SECTION 8 - WORK FORCE	DEVELOPMENT AND TALENT NEEDS					
Section 8.1 - Talent Needs	AND HIRING PLANS					
CONFIDENTIAL – THE DN	IR WILL KEEP INFORMATION IN THIS SECTION CONFIDE	ENTIAL ¹ .				
	how many of each do you plan to hire in 2022? (e.g.,		2, etc.)			
SECTION 9 - PANDEMIC IMP	ACT AND FINANCIAL ASSISTANCE PROGRAMS					
Section 9.1 – Pandemic Impact in Calendar Years 2020 and 2021						
CONFIDENTIAL - THE DN	IR WILL KEEP INFORMATION IN THIS SECTION CONFIDE	ENTIAL ¹ .				
In 2020 calendar year - to wh	nat extent did the COVID-19 pandemic impact your bu	siness's profitability? (check one	e):			
☐ Strongly Positive ☐ Moderately Positive ☐ No Impact ☐ Moderately Negative ☐ Strongly Negative						
_	nat extent did the COVID-19 pandemic impact your bu oderately Positive	- · · · · · · · · · · · · · · · · · · ·	e):			
Section 9.2 - Pandemic Fina	NCIAL ASSISTANCE PROGRAMS USED:					
CONFIDENTIAL - THE DI	IR WILL KEEP INFORMATION IN THIS SECTION CONFIDE	ENTIAL ¹ .				
	g COVID-19 financial relief programs did your busines ction Program)	<u> </u>				
	describe why you didn't use either of these programs:					

THANK YOU FOR COMPLETING THIS SURVEY!

Please mail the completed form to: MDNR Forest Resources Division, PO Box 30452, Lansing, MI 48909-9845 or email to: neumannd@michigan.gov.

CONFIDENTIALITY:

¹The information provided Sections 3.2, 3.3, 4.2, 4.4, 5.2, 5.3, 6.1, 7.1, 8.1, 9.1 & 9.2 will be exempted from disclosure under FOIA per MCL 15.243(1)(f): "A public body may exempt from disclosure as a public record under this act any of the following: (f) Trade secrets or commercial or financial information voluntarily provided to an agency for use in developing governmental policy if: i)The information is submitted upon a promise of confidentiality by the public body. (ii) The promise of confidentiality is authorized by the chief administrative officer of the public body or by an elected official at the time the promise is made. (iii) A description of the information is recorded by the public body within a reasonable time after it has been submitted, maintained in a central place within the public body, and made available to a person upon request. This subdivision does not apply to information submitted as required by law or as a condition of receiving a governmental contract, license, or other benefit."

INSTRUCTIONS

These instructions are provided to help you complete the "PRIMARY MILL SURVEY." The survey is designed to determine the:

- Location, size, and composition of primary wood using mills.
- Volume of roundwood harvested by product, species, and geographic location.
- Volume and disposition of wood residues generated during primary processing.

This survey is divided into 8 sections gathering information on mill information, equipment used, raw material received and processed, finished products produced & exported, residues produced at the mill, boiler/hog fuel purchased/received from other sources, capital invested in 2020 and 2021 at this facility, and workforce development/talent needs. **The survey form is also available as a fillable PDF form on the internet at www.michigan.gov/forestproducts**.

All reported volumes and capital invested are confidential and will be used only for aggregated reporting. The Department of Natural Resources (DNR) will exempt volume production and capital investment information in Sections 3.2, 3.3, 4.2, 4.3, 4.4, 5.2, 5.3, 6.1, 7.1 & 8.1 from disclosure under FOIA as 'trade secrets' per MCL 15.243(1)(f): "A public body may exempt from disclosure as a public record under this act any of the following: ... (f) Trade secrets or commercial or financial information voluntarily provided to an agency for use in developing governmental policy if: i) The information is submitted upon a promise of confidentiality by the public body. (ii) The promise of confidentiality is authorized by the chief administrative officer of the public body or by an elected official at the time the promise is made. (iii) A description of the information is recorded by the public body within a reasonable time after it has been submitted, maintained in a central place within the public body, and made available to a person upon request. This subdivision does not apply to information submitted as required by law or as a condition of receiving a governmental contract, license, or other benefit." No individual mill production, raw material volume, or capital investment data will be released.

With your permission, other survey information may be used to update the Michigan Forest Products Industry Directory and regional industry directories. The Michigan Directory is located at www.michigan.gov/wood. Your participation will help improve the accuracy of this report for Michigan.

Raw Material is defined as any log, bolt, or other round section or chips produced in the woods from trees felled for industrial or consumer use. This includes sawlogs, veneer logs, pulpwood, pilings, poles, posts, ties, mine timbers, and other round, split or hewn products.

Please complete the form using the information for your mill for **CALENDAR YEAR 2021.**Most of the questions in the attached survey form are self-explanatory; however, instructions are listed below a few items.

Section 1 - MILL INFORMATION

- Record the contact information for the person completing the survey that we can contact for questions about the completed form.
- Check the "Mill Type" for the type of RAW MATERIAL that is processed at the mill. If more than one Raw Material type is processed at this location, please fill out a separate form for each RAW MATERIAL type. If none of the "Mill Types" apply, check "Miscellaneous/other mill:" and specify the mill type.

Section 2 - EQUIPMENT USED: Check all of the types of equipment in use at the mill.

Section 3 - TYPE AND AMOUNT OF RAW MATERIAL PROCESSED

- Please fill out Sections 3 & 5 for each type of raw material processed. Copy and attach extra pages if needed.
- For raw material EXPORTED to other countries, please fill out Section 3 only.

Section 3.1. TYPE OF RAW MATERIAL RECEIVED & PROCESSED: Check only one type per page, and check whether it was processed at the mill, or exported.

Section 3.2. TOTAL AMOUNT OF RAW MATERIAL PROCESSED: Indicate the amount of raw material processed that matches the type checked in 3.1. Please also indicate total average annual capacity for the mill in the space provided. Attach additional sheets for other types of raw material processed. Indicate "Unit of Measure." If the Unit of Measure is a weight measurement, please indicate the conversion factor that the mill uses for pounds per board foot or cords. Please enter the average log length (in feet) and small-end diameter of logs (in inches) processed at this mill. *This information will be kept confidential.*

Section 3.3. Enter the total volume by species processed matching the raw material type indicated in Sections 3.1 and 3.2. Fill out additional copies of 3.3. for each type of raw material processed. Volumes may be indicated if known, or as % of the total amount indicated in 3.2. Also indicate volumes or % for each species by state & county if known-- if volumes or % by county are not known, mark which counties you obtained wood from in 2021 on the attached map. If volumes by county or percent of volume by county are not known, please enter an estimated procurement radius in miles at the bottom of Section 3.3. *This information will be kept confidential.*

Michigan County Map

 If volumes by county for raw material are not known, mark or 'X' the counties that you obtained wood from in calendar year 2021

Section 4 – FINISHED PRODUCTS PRODUCED IN 2021 & EXPORTS

This section only needs to be completed once per mill.

Section 4.1 – Indicate the types of finished products produced as a percentage of your facility's total raw material volume processed in 2021 (e.g., 15% of your 2021 raw material volume was used to produce rough lumber, 30% was used to produce railroad ties, etc.). Please ensure that your estimates add up to 100%.

Section 4.2 – Please enter the volume of finished goods produced by type of roundwood – broken out by softwood and hardwood species groups. Please indicate the unit of measure (e.g., lumber tally), and percentage of that was planed or dressed.

Section 4.3 - Please indicate if you exported finished products out of the country in 2021, and if you would like additional information on exporting assistance available from MDARD. If you would like additional information about the Pure Michigan Business Connect (PMBC) service, please check 'Yes'. PMBC is a service provided by the Michigan Economic Development Corporation connecting buyers to suppliers of Michigan goods and services. See also http://www.michiganbusiness.org/services/pure-michigan-business-connect.

Section 4.4—Percent of Finished Products Exports in 2021. This information will be kept confidential.

Section 5 - MILL RESIDUE PRODUCED & USED

 Please fill out a copy of this section for each type of raw material processed. Do not complete for volumes of logs exported out of the country.

Section 5.1 – Enter the raw material type from section 3.1 for the residues reported below.

Section 5.2 - Enter the amount of mill residues that were generated by processing the raw material type from Section 3.1 for each type of mill residue and for Softwoods and Hardwoods. Indicate the "Unit of Measure." *This information will be kept confidential.*

Section 5.3 – Disposal of Mill Residues. *This information will be kept confidential.*

Section 6 -BOILER/HOG FUEL RECEIVED

 Note: Complete this section if your mill receives or buys roundwood, harvest residues, or chips from the forest for boiler/hog fuel.

SECTION 6.1 Enter the amounts of whole-tree chips, in-woods chips, or tops and limb wood received for boiler/hog fuel by state/country of origin, and Softwood and Hardwood. Check the "Unit of Measure". *This information will be kept confidential.*

Section 7 - CAPITAL INVESTMENTS IN 2020 AND 2021

SECTION 7.1 Enter the amounts of capital invested in your facility for equipment, software, or infrastructure in 2020 and 2021. *This information will be kept confidential.*

Section 8 – WORK FORCE DEVELOPMENT AND TALENT NEEDS

SECTION 8.1 Please list the types of positions, and how many of each that your mill plans to hire in 2022? (e.g., truck drivers – 3, mill wrights – 2, etc.). *This information will be kept confidential.*

Section 9 – PANDEMIC IMPACT AND FINANCIAL ASSISTANCE PROGRAMS

SECTION 9.1 Please check the boxes to indicate the extent that the COVID-19 Pandemic impacted your business in calendar year 2020 and in 2021.

SECTION 9.2 Please check the boxes to indicate which, if any, of the two COVID-19 Pandemic financial assistance programs your business used in calendar years 2020 or 2021. If you did not use either of the two programs, please describe why.

Questions?

Please contact David Neumann at 517-281-6729 or at neumannd@michigan.gov.